STYLE "Q"

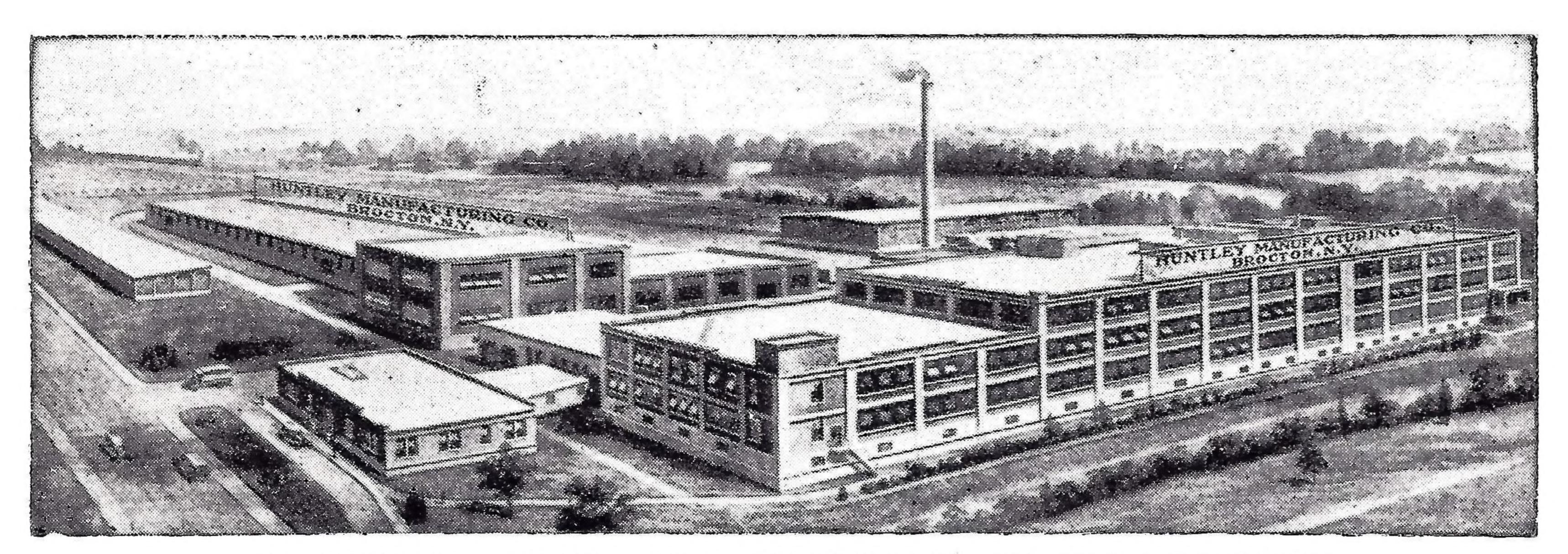
Super Capacity

WAREHOUSE SEPARATORS



Manufactured by

HUNTLEY MANUFACTURING CO. BROCTON, NEW YORK. U. S. A.

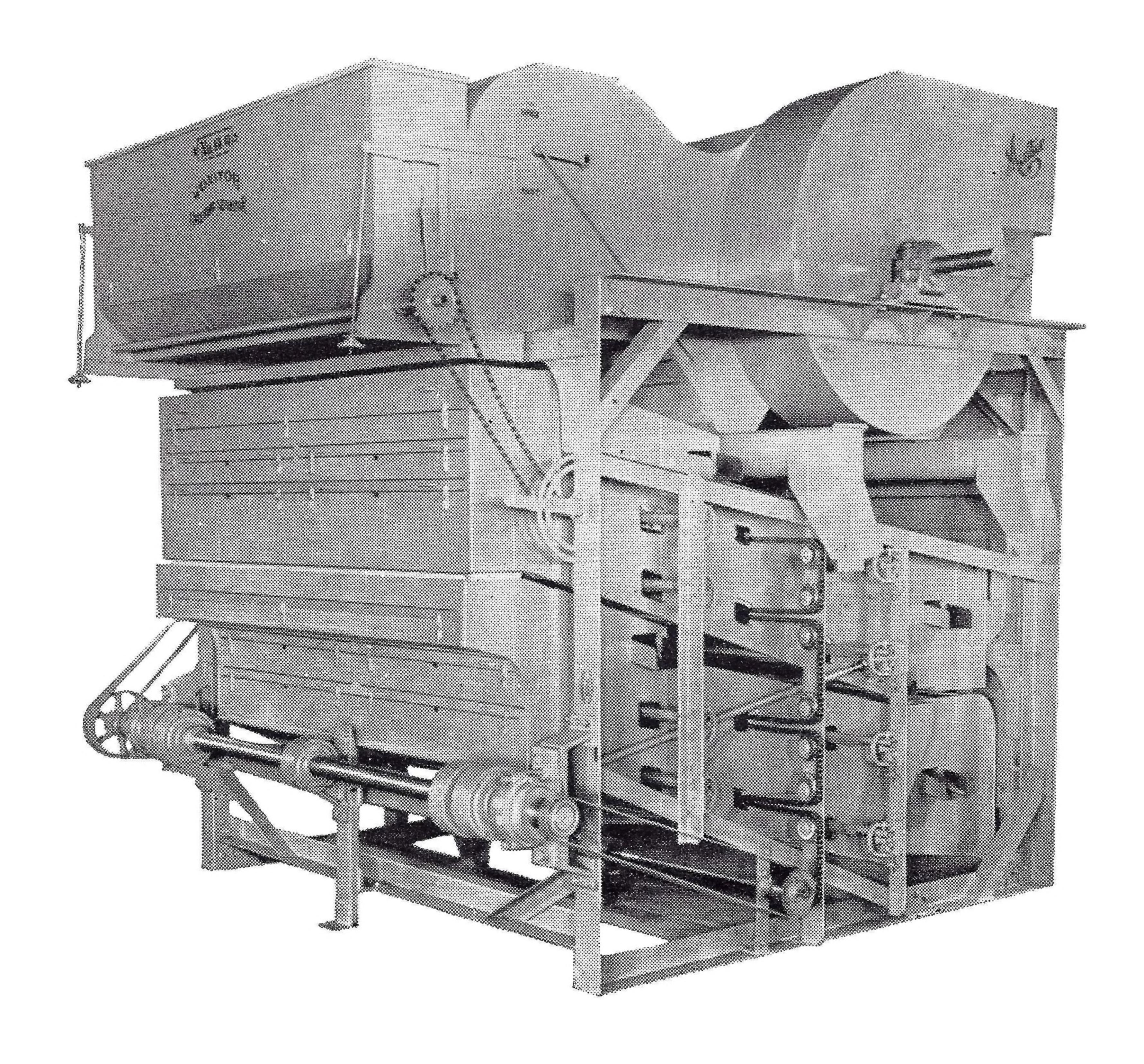


(A MILLION DOLLAR ORGANIZATION IS AT YOUR SERVICE)

Edited by: Brian D. Szafranski; Elma New York USA Please do not reprint or republish this document for commercial gain. -- Posted on: September 9, 2019

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Monitor STYLE "Q" MASTER WAREHOUSE SEPARATOR



Responding to the urgent need for large capacity Receiving Separators for mills, elevators, and feed plants, the Huntley Manufacturing Co. studied the problem from its various angles. They did not wish to sacrifice the known efficiency of their Separators, nor could they in reason increase size beyond their standard Receiving and Warehouse Separators.

The problem was overcome by designing our MONITOR "Q" type Separator as illustrated above. The latest example of advanced design in grain cleaning Separators is similar to the MONITOR Master Cleaners in that it has the same superlative aspiration, so controlled that the most delicate of separations can be obtained. In place of having shoes placed side by side, the "Q" type Separators have two shoes, one above the other. These are of compound arrangement for balance. Each shoe is arranged with scalping screen, full main and full sand screen. This type of construction permits an appreciable reduction in frame width. Also, allows the use of shorter and

thus more rigid fan and eccentric shafts—reducing point of vibration to a minimum. The screen area of the "Q" type Separator is 50% greater than respective sizes in the standard Receiving Separator. Too, the screen pitch has been increased slightly and the throw of eccentrics is somewhat longer. These alterations in design permit securing a 50% greater capacity than could be obtained with similar sizes in other types of Cleaners. In this type of Separator the stream is split, one-half going to the top shoe, with the balance to the bottom shoe.

Mechanical perfection — smoothness of operation — trueness and ease of adjustment — accuracy of control with five cleaning operations, two air and three screening separations have caused many modern mills to concede its supremacy over all others.

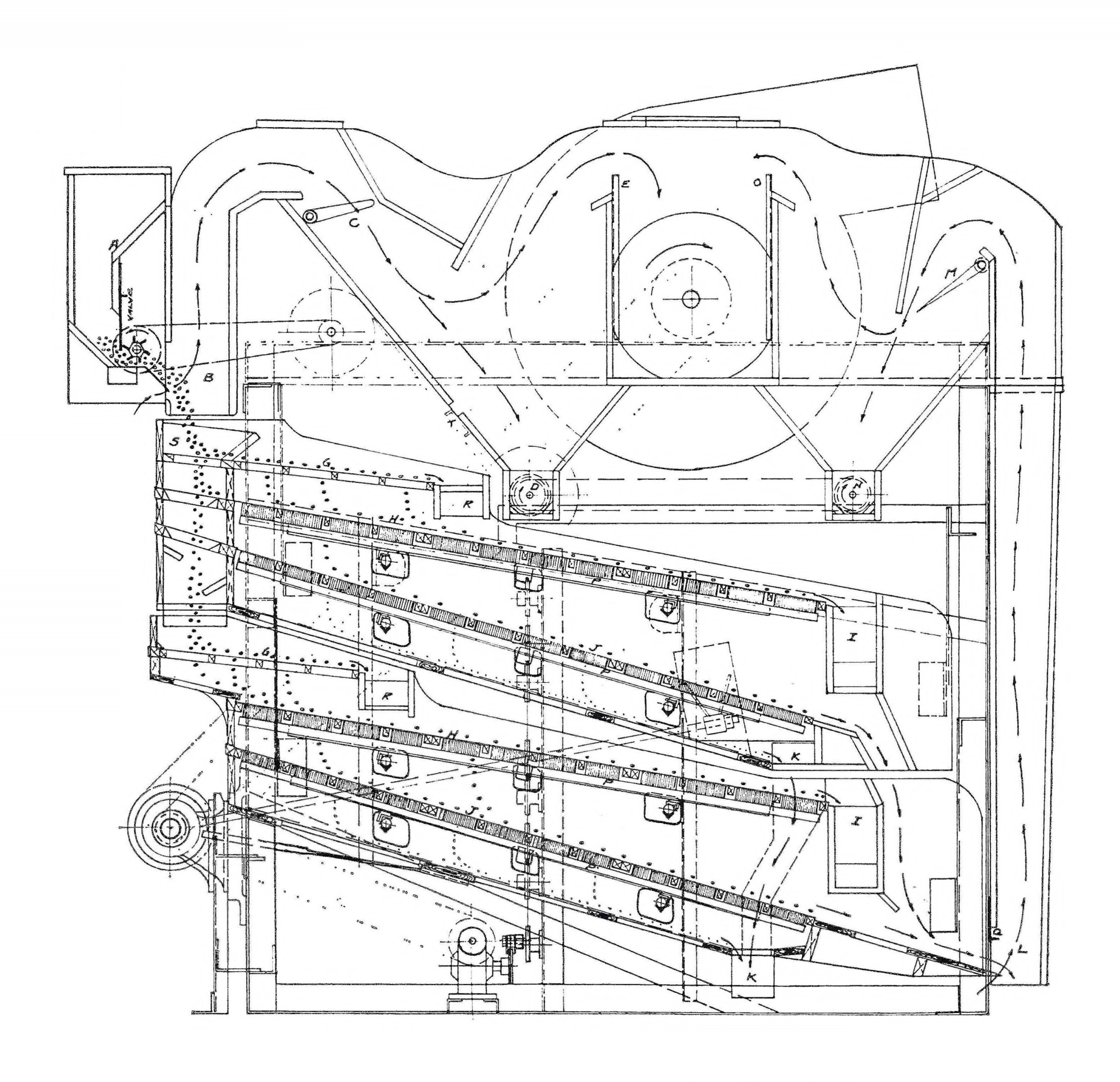
The Huntley Manufacturing Co., a million dollar organization, will be glad to have a representative call and assist in the selection of the correct type and size of Separator to answer particular requirements and assure all purchasers that such equipment has an unqualified guarantee as to construction, efficiency and service in operation.

STYLE "Q" WAREHOUSE SEPARATOR

Advantages - - -

- l—Non-Clogging Feed Hopper With self-adjusting gate.
- 2—New Improved Distribution Roll
 Grain and feed distributed evenly across full width of screen to both shoes.
- 3—Large Diameter Slow Speed Fans
 With deep area expansion chambers and two adjustable valves assure unexcelled aspiration for almost every type or degree of separation.
- 4—Electric Welded Structural Steel Frame Insures greater rigidity and maximum service life.
- 5—Oversize Heavy Duty Ball Bearings
 On fan, eccentric and post bearings provide smoother, friction free operation . . . save power.
- 6—Positive Efficient Screen Cleaning
 Chain and worm gear brush drives under all main and sand screens insure perfect screen cleaning. Screens are interchangeable with easy access provided at head and feed ends for quick removal or servicing.
- 7—3000 to 8000 Bushel Capacity
 Six sizes provide hourly capacities from 3,000 to 8,000 bushels, using medium screens.

SIZE No.	ĵ		7	13	77	5	16	17	18
Extreme Height	9, 111/1	9, 111/2"	9, 111/1	10° 8°	10,8%	10° 8°	10,8	10°	11,01/2"
Extreme Length	9.71/2"	9, 71/2"	9, 71/2"	12, 21/2"	12, 51/2"	12, 21/2"	12, 51/2"	12.51/2"	12, 51%
Extreme Width	11 1 /	2	%II'	10' 4"	10,10	11,4"	11.10%	12'4"	13, 1,
Length on Floor	7,51/2"	7,51/2"	7,51/2"	8,71/2"	8, 71/2"	8, 71/2"	8, 71/"	8, 71/2"	8,71/"
Width on Floor	, s 9	6,8	7:3"	i i	8, 2"	il	3, 2%	COI	10,2%
Height to Where Grain Enters	9'63/1"	9'63/"	9'63/"	% II'	3, 11,	ill is	illig	illig	10,31/2"
Height to Center of Drive Pulley (fan shaft)	71 111/2 "	7, 111/2"	7, 111/2"	8, 4"	8,4%	8, 4"	8, 41	8, 4"	8, 81/2 %
e Pulley R. I	450	200	200	200	250	900	625	650	200
Pulley	14"x6"	14"x6"	14"x6"	18"x8"	18"x8"	18"x8"	20"x8"	20"x8"	22"x8"
Capacity Bushels per hour—Wheat. Medium Screens	1500	2000	2500	3000	4000	2000	0009	2000	8000
Depth	161/"	161/"	161/4"	191/1	191/"	191/1	191/1	191/1	191/2
Fan Opening Width	131/2"	131/2"	131/2"	141/"	141/"	141/2"	151/2	161/2"	171/1
Total sq. in for both fan outlets	4383/"	4383/"	4381/2"	5581/1	5581/4"	5581/1	5983/1	6353/1	6733/1
Approximate Shipping Weight Pounds	8,750	000'6	9,250	10,350	10,550	10,750	11,000	11,500	12,000



OPERATING DIAGRAM — MONITOR STYLE "Q"

A-Feed Hopper

B-First Suction Leg

C—First Suction Air Valve

D-First Screenings

E-Compensating Valve

F-Fan

G-Scalper Screens

H-Main Screens

I—Tailing Spouts

J—Seed Screens

K—Seed Tailings Spouts

L—Tail Suction Leg

M—Second Suction Air Valve

N—Second Screenings

O-Compensating Valve

P-Brushes

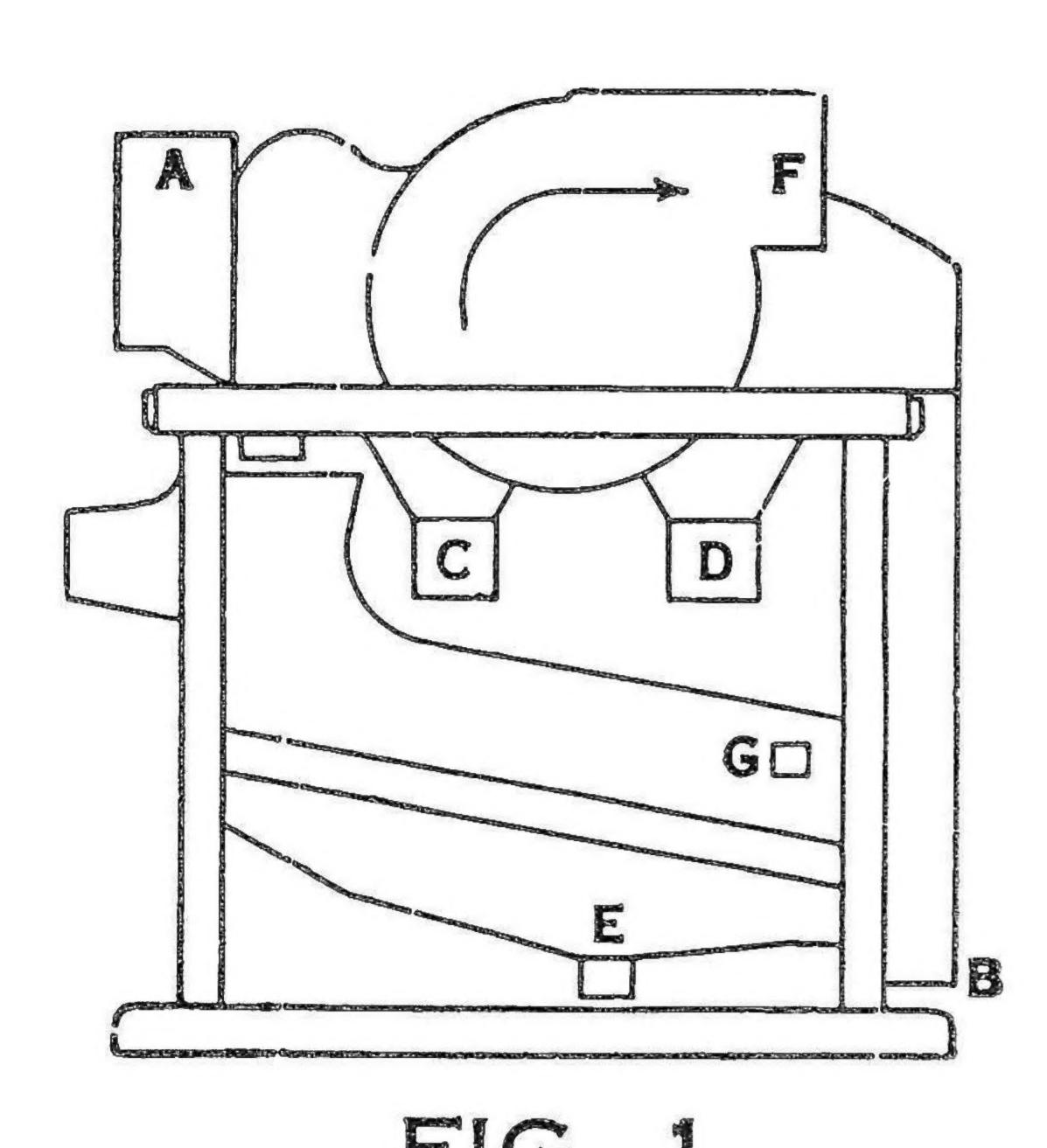
Q—Valve Over Stream Of Grain on Tail Leg

R-Scalper Tailings

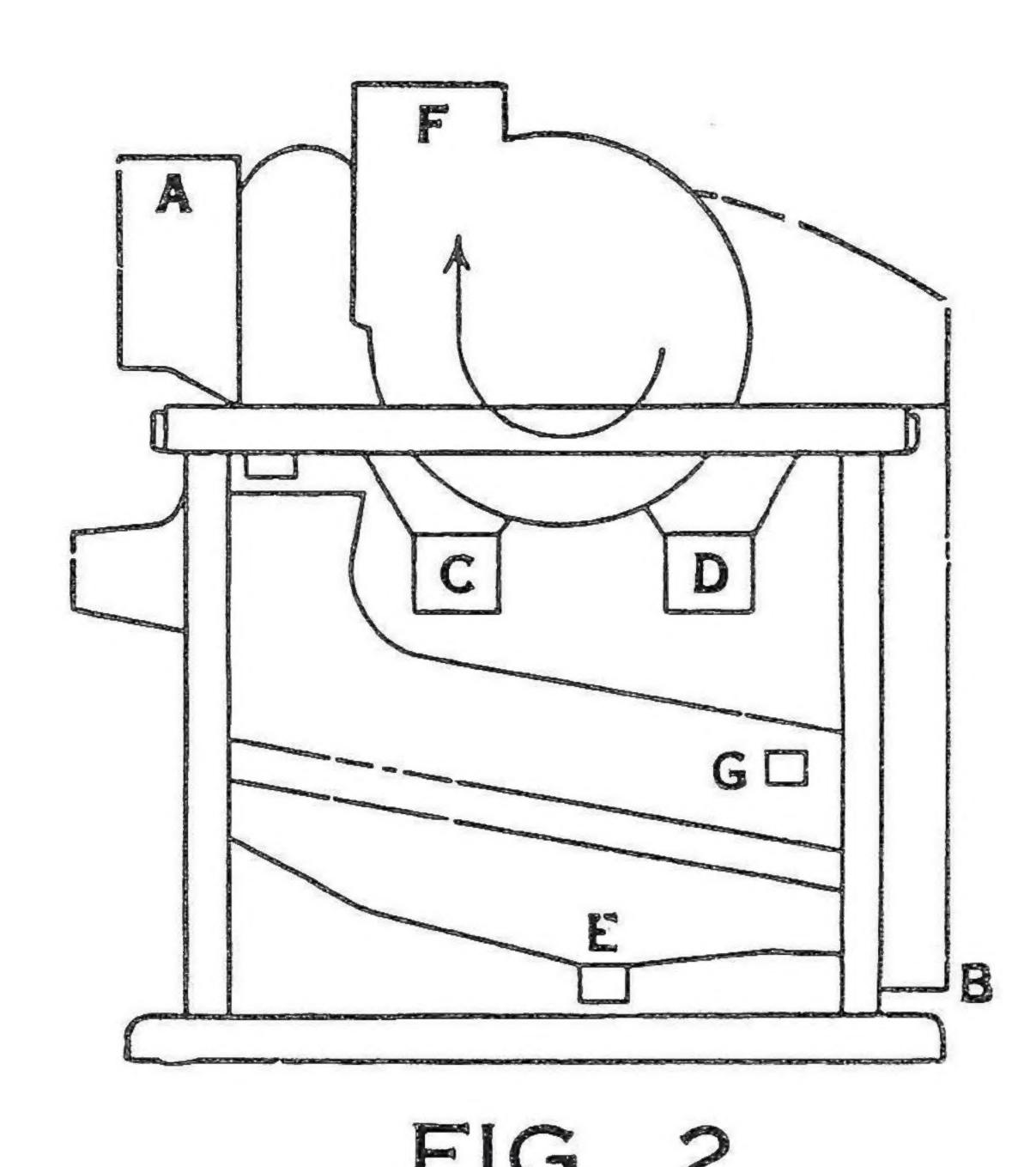
S-Split Feeder

T—Valve For Separating Dust From Screenings

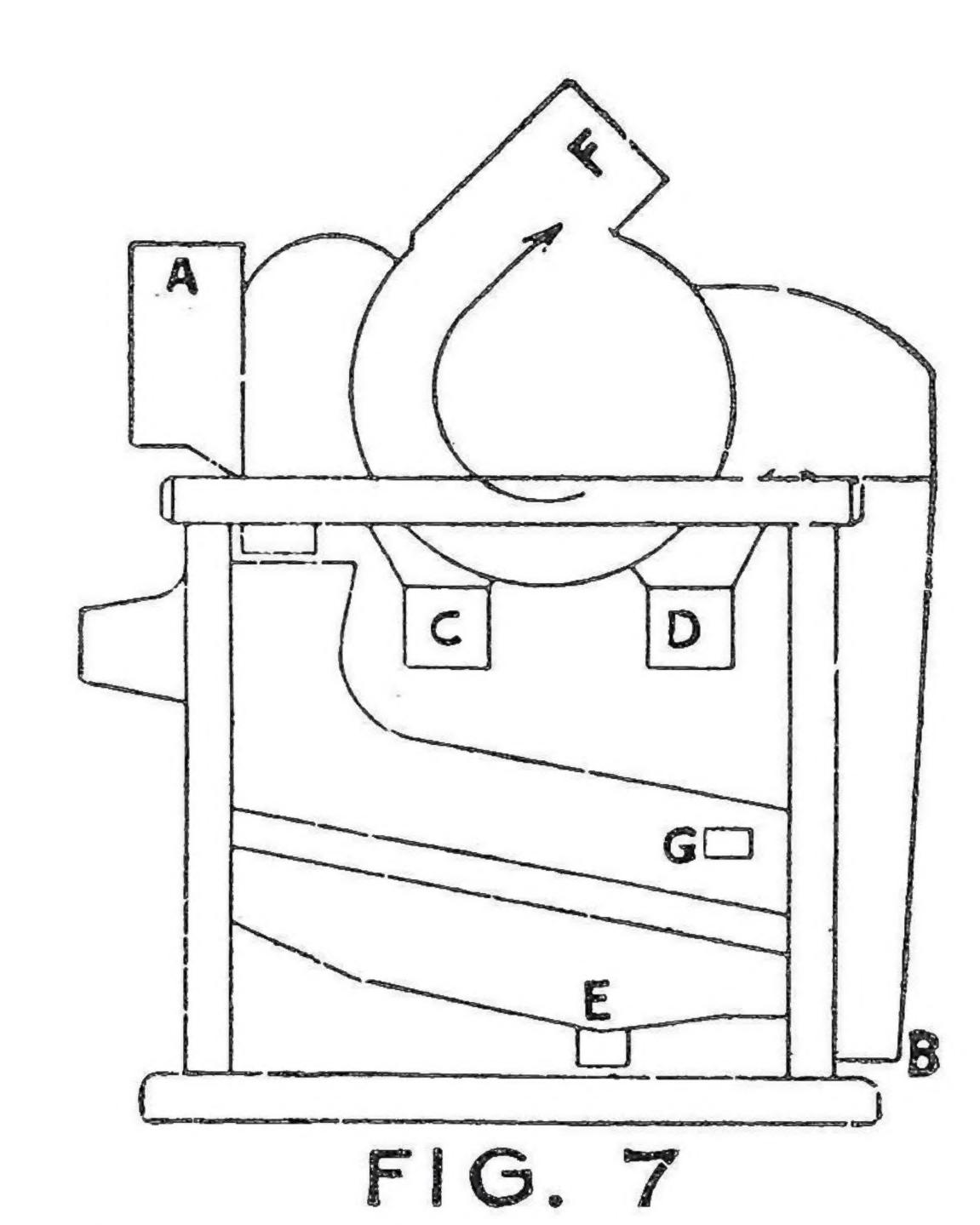
STYLE Q PROVIDES SEVERAL ALTERNATE FAN DIS-CHARGE, SCREEN DISCHARGE AND PULLEY DRIVE ARRANGEMENTS



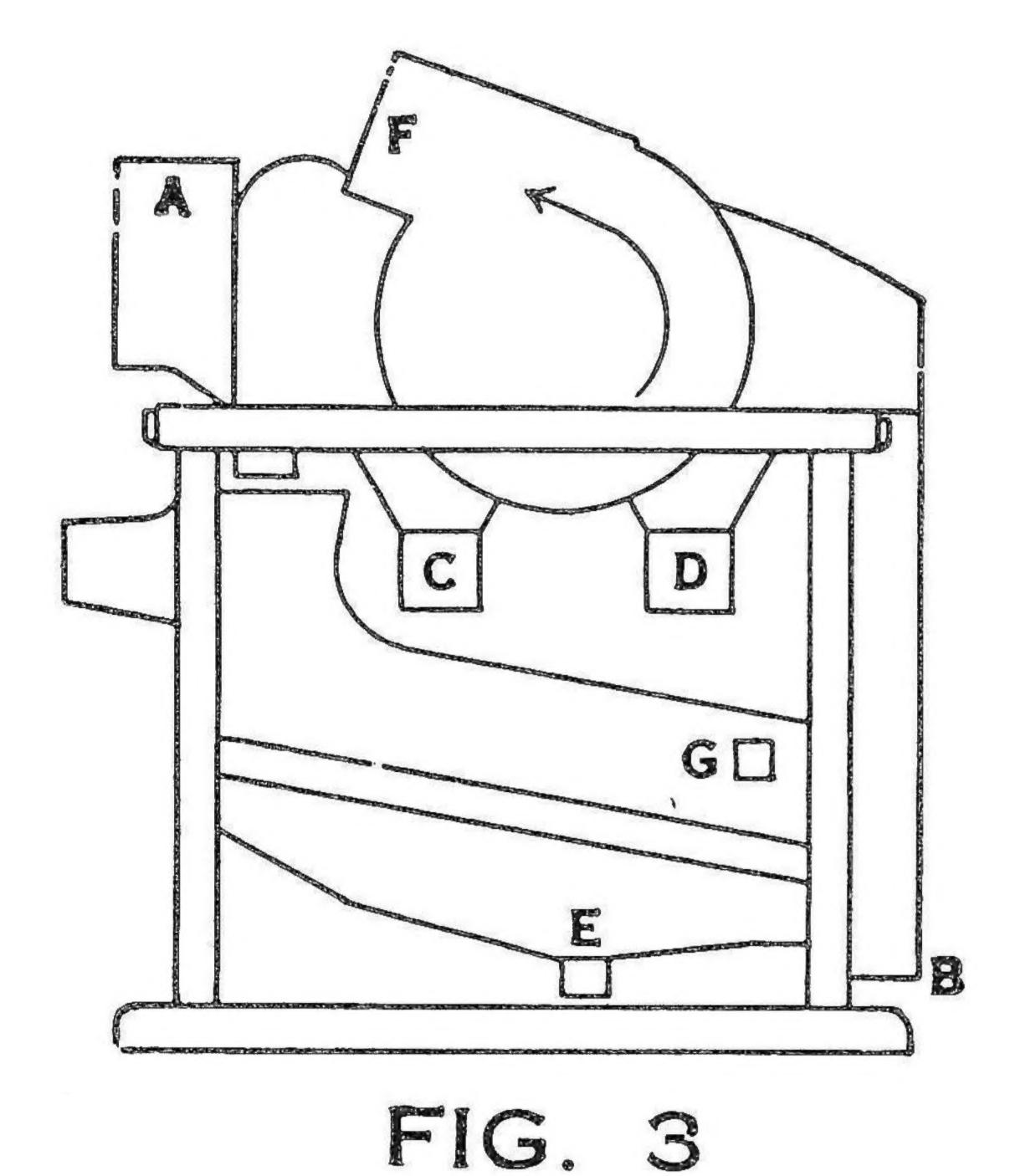
R'egular fan discharge as ordinarily supplied.



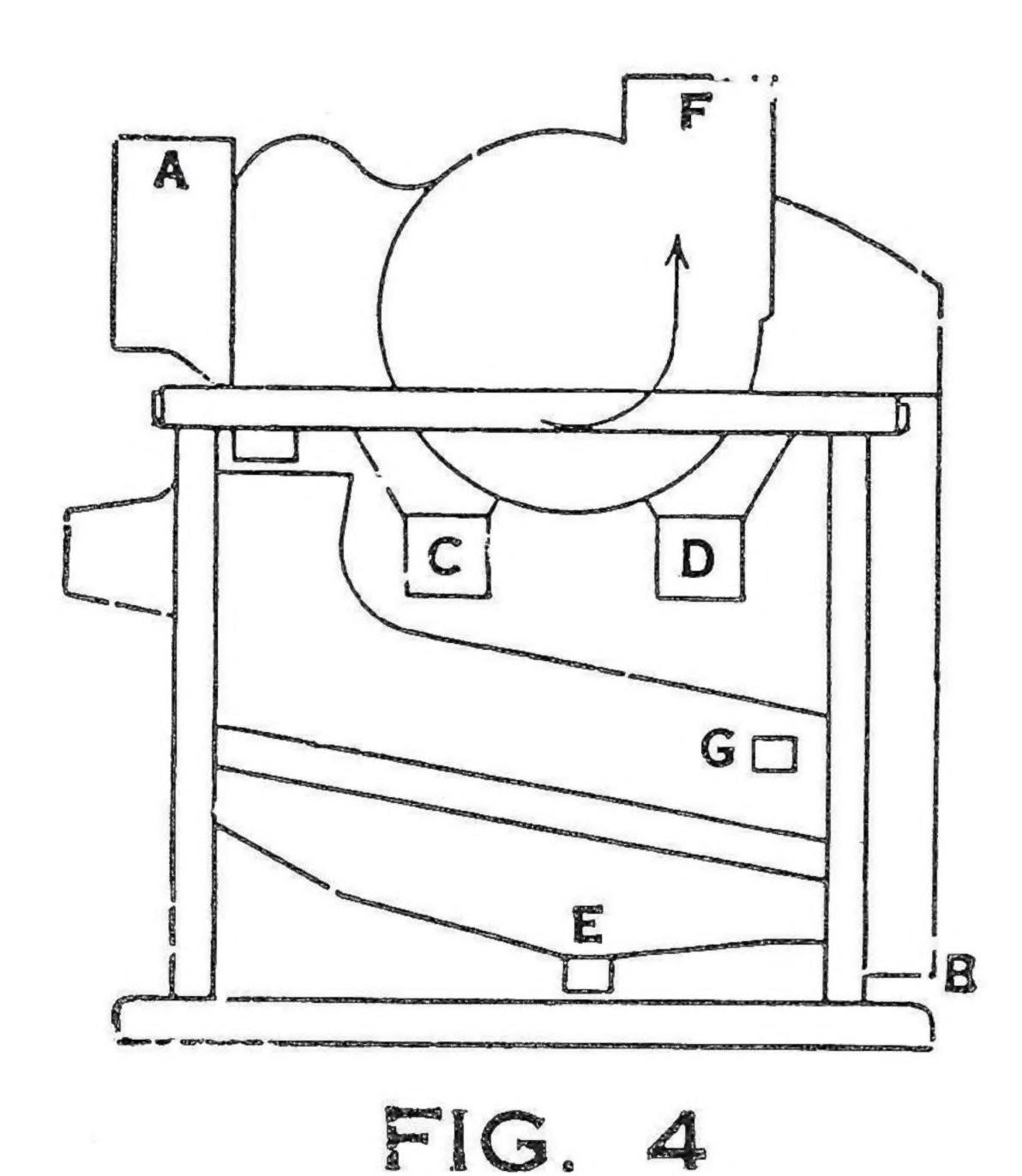
Fans revolving same direction as Fig. 1 but discharging straight up.



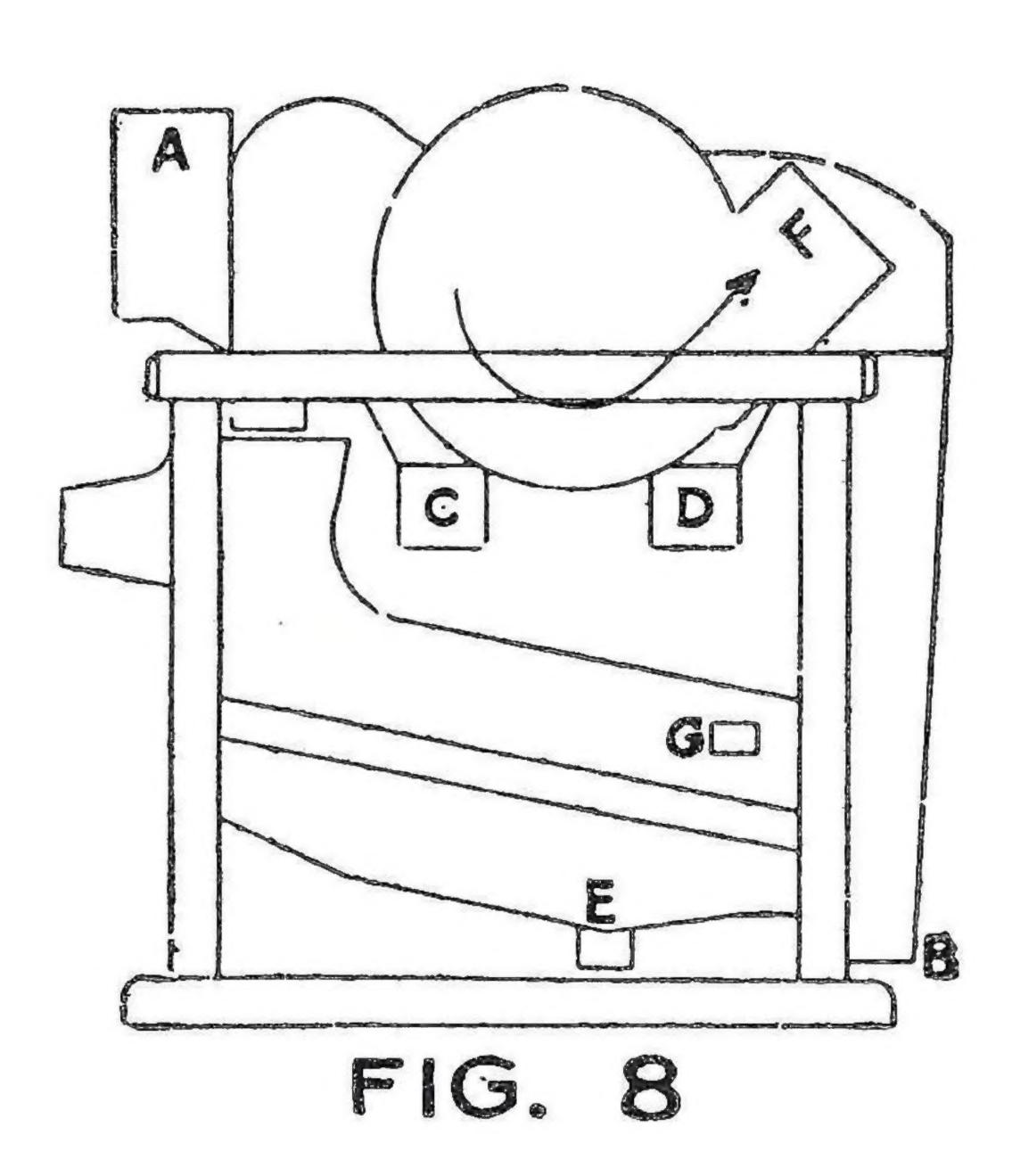
Fans revolving same direction as Fig. 1 and Fig. 2 but discharging at an angle.



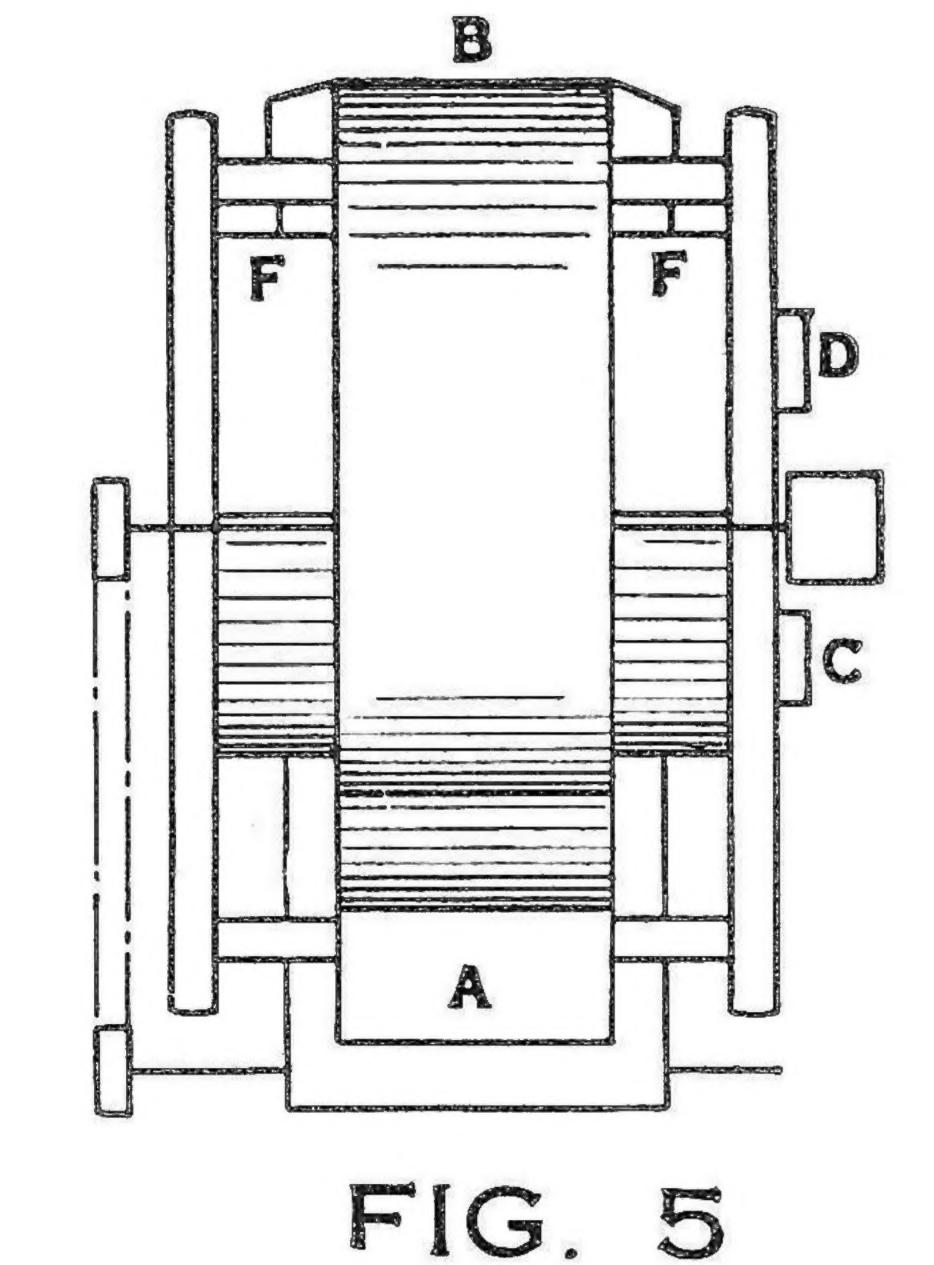
Fans reversed—running opposite to regular — discharging out over front of machine.



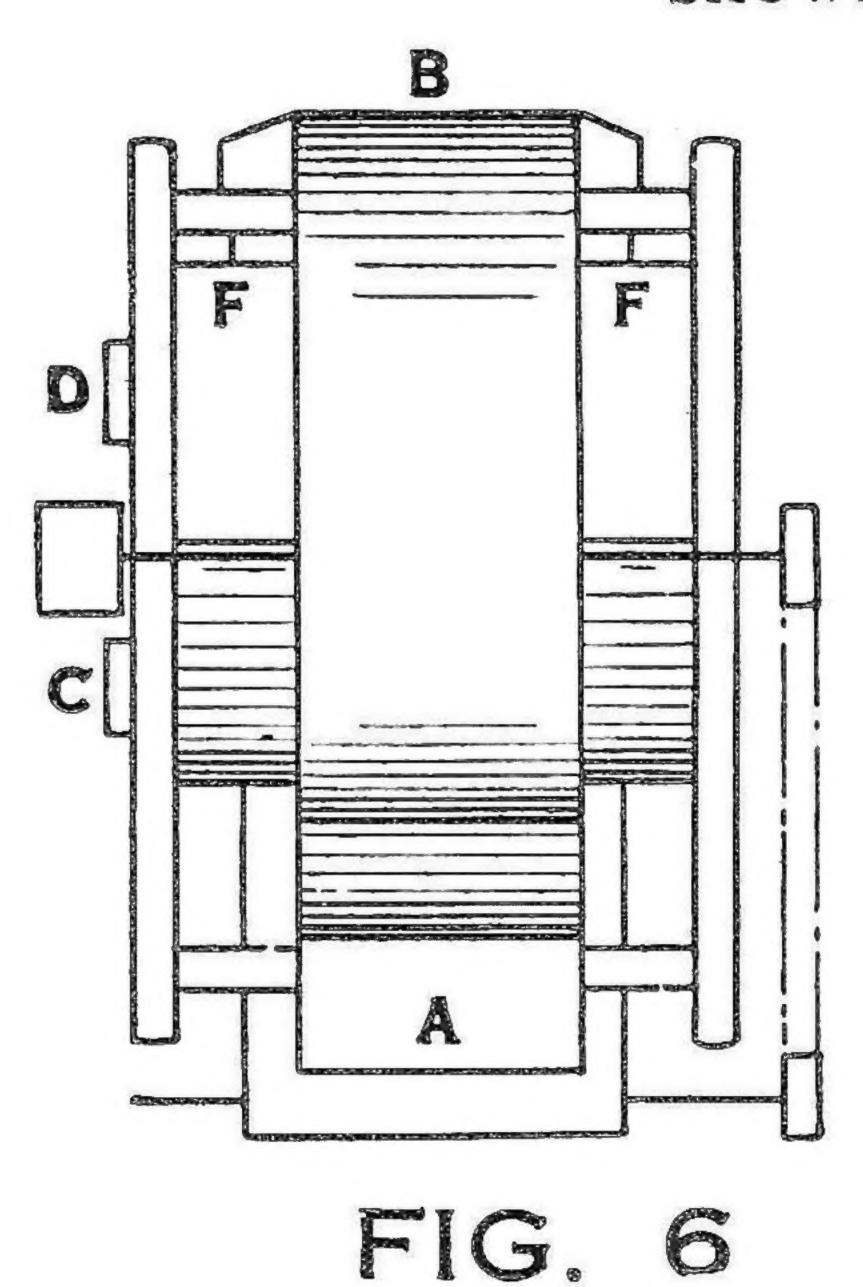
Fans revolving same direction as Fig. 3, but discharging straight up.



Fans revolving same direction as Fig. 3 and 4, but discharging at angle shown.



Right-hand machine - driving pulley and first and second screenings are delivered from conveyors on right-hand side as you face head end of machine.



Left-hand machine — driving pulley and first and second screenings are delivered from conveyors on left-hand side as you face

head end of machine.

FAN DISCHARGES—SCREENINGS DISCHARGES—PULLEY DRIVES

- A-Grain enters-head end of machine.
- B-Cleaned grain discharge-tail end of machine.
- C-Screenings discharge-first air separation.
- D-Screenings discharge-second air separation.
- E-Foul seeds and cockle discharge.
- F-Dust discharge from fans.
- G-Tailings discharge-Main screen.

NOTE—Driving pulley is on fan shaft always—connecting pulleys to drive shakers are on opposite side.